

Application No. 10/779,366
Attorney Docket No. GEN-001-97 DIV
(22177-0019)

C) AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions, and listings of claims in the Application.

1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (canceled)
6. (canceled)
7. (canceled)
8. (canceled)
9. (new) A dental x-ray apparatus having an x-ray tube disposed within a tubehead and the tubehead being supported by a yoke, the improvement comprising the yoke having a control panel to perform control operations.
10. (new) The dental x-ray apparatus of claim 9 wherein the tubehead is formed from cast zinc or zinc alloy.
11. (new) The dental x-ray apparatus of claim 9 wherein the tubehead comprises a plurality of components and at least one of the tubehead components is formed from a plastic material impregnated with a radiation absorber.
12. (new) The dental x-ray apparatus of claim 11 wherein the radiation absorber is a barium compound.
13. (new) The dental x-ray apparatus of claim 12 wherein the barium compound is barium sulfite.
14. (new) The dental x-ray apparatus of claim 13 wherein a tubehead component is an x-ray tube holder.

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15. (new) A dental x-ray apparatus comprising:

a tubehead, the tubehead comprising a housing, a collimator, a x-ray tube, high-voltage circuitry including one or more high-voltage transformers, dielectric oil and a tube holder to support the x-ray tube, wherein the collimator, the x-ray tube, the high voltage circuitry and the tube holder are disposed in the housing and soaked in dielectric oil;

a yoke connected to the tubehead to support the tubehead;

a support structure connected to the yoke to support the yoke; and

a control panel to perform control operations, the control panel being located on one of the yoke and the tubehead.

16. (new) The dental x-ray apparatus of claim 15 wherein the tubehead is formed from cast zinc or zinc alloy.

17. (new) The dental x-ray apparatus of claim 15 wherein the tube holder is formed from a plastic material impregnated with a radiation absorber.

18. (new) The dental x-ray apparatus of claim 17 wherein the radiation absorber is a barium compound.

19. (new) The dental x-ray apparatus of claim 18 wherein the barium compound is barium sulfite.

20. (new) The dental x-ray apparatus of claim 15 wherein the control panel is located on the yoke.

21. (new) The dental x-ray apparatus of claim 15 wherein the control panel is located on the tubehead.